

From the INTERNATIONAL BUREAU

PCT

**NOTICE INFORMING THE APPLICANT OF THE  
COMMUNICATION OF THE INTERNATIONAL  
APPLICATION TO THE DESIGNATED OFFICES**

(PCT Rule 47.1(c), first sentence)

To:

HINZ, Udo  
AB Stockholms Patentbyrå, Zacco &  
Bruhn  
Box 23101  
S-104 35 Stockholm  
SUÈDE

2001-02-02

Date of mailing (day/month/year) 25 January 2001 (25.01.01)		
Applicant's or agent's file reference 110032101UDO		<b>IMPORTANT NOTICE</b>
International application No. PCT/SE00/01504	International filing date (day/month/year) 20 July 2000 (20.07.00)	
Priority date (day/month/year) 20 July 1999 (20.07.99)		
Applicant MOSSBERG, Patrick et al		

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice:

AU, KP, KR, US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

AE, AG, AL, AM, AP, AT, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EA, EE, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OA, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,  
The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 25 January 2001 (25.01.01) under No. WO 01/06747

**REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)**

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

**REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))**

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer J. Zahra
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38

**NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF  
THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES**

<b>Date of mailing (day/month/year)</b> 25 January 2001 (25.01.01)	<b>IMPORTANT NOTICE</b>
<b>Applicant's or agent's file reference</b> 110032101UDO	<b>International application No.</b> PCT/SE00/01504

The applicant is hereby notified that, at the time of establishment of this Notice, the time limit under Rule 46.1 for making amendments under Article 19 has not yet expired and the International Bureau had received neither such amendments nor a declaration that the applicant does not wish to make amendments.

## PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION CONCERNING  
SUBMISSION OR TRANSMITTAL  
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

To:

HINZ, Udo  
AB Stockholms Patentbyrå, Zacco &  
Bruhn  
Box 23101  
S-104 35 Stockholm  
SUÈDE

Date of mailing (day/month/year) 19 October 2000 (19.10.00)	
Applicant's or agent's file reference 110032101UDO	<b>IMPORTANT NOTIFICATION</b>
International application No. PCT/SE00/01504	International filing date (day/month/year) 20 July 2000 (20.07.00)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 20 July 1999 (20.07.99)
Applicant MOSSBERG, Patrick et al	

1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
20 July 1999 (20.07.99)	9902768-2	SE	19 Sept 2000 (19.09.00)
17 Marc 2000 (17.03.00)	0000912-6	SE	19 Sept 2000 (19.09.00)

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

J. Leitao

Telephone No. (41-22) 338.83.38

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

ÅB Stockholms Patentbyrå Zacco  
Box 23101  
104 35 Stockholm

## PCT

### WRITTEN OPINION

(PCT Rule 66)

Date of mailing (day/month/year) <b>11-06-2001</b>		
Applicant's or agent's file reference <b>110032101UDO</b>	<b>REPLY DUE</b> within 60 days from the above date of mailing	
International application No. <b>PCT/SE00/01504</b>	International filing date (day/month/year) <b>20.07.2000</b>	Priority date (day/month/year) <b>20.07.1999</b>
International Patent Classification (IPC) or both national classification and IPC7 <b>H 04 M 11/00</b>		
Applicant <b>Mossberg, Patrik et al</b>		

1.	This written opinion is the <u>first</u> (first, etc.) drawn by this International Preliminary Examining Authority.
2.	This opinion contains indications relating to the following items:
I	<input checked="" type="checkbox"/> Basis of the report
II	<input type="checkbox"/> Priority
III	<input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
IV	<input type="checkbox"/> Lack of unity of invention
V	<input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
VI	<input type="checkbox"/> Certain documents cited
VII	<input type="checkbox"/> Certain defects in the international application
VIII	<input type="checkbox"/> Certain observations on the international application
3.	The applicant is hereby <b>invited to reply</b> to this opinion.
	<b>When?</b> See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension, see Rule 66.2(d). <b>How?</b> By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. For the form and the language of the amendments, see Rules 66.8 and 66.9. <b>Also</b> For an additional opportunity to submit amendments, see Rule 66.4. For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4bis. For an informal communication with the examiner, see Rule 66.6. <b>If no reply is filed</b> , the international preliminary examination report will be established on the basis of this opinion.
4.	The final date by which the international preliminary examination report must be established according to Rule 69.2 is: <u>20.11.2001</u>

Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer  <b>Bertil Nordenberg/EE</b> Telephone No. 08-782 25 00
--	---

WRITTEN OPINION

International application No.

PCT/01504

I. Basis of the opinion

1. With regard to the elements of the international application:\*

- ☒ the international application as originally filed
- ☐ the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the claims:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, as amended (together with any statement) under article 19  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the drawings:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the written opinion was drawn on the basis of the sequence listing:

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheet/fig \_\_\_\_\_

5. ☐ This opinion has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed".

WRITTEN OPINION

International application No.

PCT/SE00/01504

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>5, 8, 13, 16</u>	YES
	Claims	<u>1-4, 6, 7, 9-12, 14, 15</u>	NO
Inventive step (IS)	Claims		YES
	Claims	<u>5, 8, 13, 16</u>	NO
Industrial applicability (IA)	Claims	<u>1-16</u>	YES
	Claims		NO

2. Citations and explanations

The invention refers to a method and a system (according to claim 9) for identifying a juridical person in order to provide the juridical person access to a provided service (for instance a payment transaction or a facility access transaction). The method, according to the characterising part of claim 1, comprises the retrieval of the CLI-number provided to a telephone device allocated to the juridical person, the CLI-number being a part of the phone communication protocol. It is retrieved at a service unit telephone device or a clearing unit telephone device, respectively, during a phone call connection trial, said units being adapted not to establish the communication. The call is whereby refused at the service unit or the clearing unit, respectively, if the service unit refuses the call it communicates to the clearing unit which always decides if a received CLI-number has access to the service provided, thus providing the service if access is established.

Documents cited in the International Search Report:

D1 Abstract of JP 11-120398 A  
D2 EP 0873032 A1  
D3 WO 9613814 A1  
D4 WO 9401963 A1  
D5 WO 9847116 A1  
D6 WO 0035178 A2 (with priority from SE 9804055-3, 26 November 1998, but published 15 June 2000)

D1 discloses a system for identifying a person in order to provide the person access to a building through a gate. A person who desires to enter the building inputs the telephone number of a center device to a portable telephone set.

.../...

**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient.)

Continuation of: V

When the connecting facilities connects a radio telephone line to the telephone set in response to the incoming of a request to open the gate, the telephone number of the caller is sent to the center device by the telephone number information service of the telephone company. The reported caller's telephone number is collated with the permission data, i.e., registered telephone numbers in a memory. Here, when the caller's telephone number coincides with one of the registered telephone numbers, a gate opening signal is sent through the authentication that the caller is a permitted person. Then the entrance of the building is unlocked and the caller can enter the building. D6 shows a similar system, also being associated with a vending machine.

D2 (see abstract and figure 2) discloses a similar system for identifying a user in order to provide the user access to a mobile telephone system. Increased security for the mobile telephone system is provided by assigning each mobile telephone unit or authorised user thereof a caller authentication number (CAN) different than the caller line identification (CLI) that is normally assigned to all mobile telephone units. A verification unit added to the conventional mobile telephone system determines whether the combination of the CLI and the CAN identify an authorised user of the system and completes connection of the switching office to the telephone exchange if the CAN and CLI identify an authorised user.

D3 shows a real time mobile tele-payment system that relates to payments of bills of mobile users. Caller line identification (CLI) is used for identification of the user.

D4 and D5 show other examples of systems for identification, giving access to a facility or for payment transactions.

The content of claims 1 and 9 is thus previously known from D1 - D3 and D6. These claims lack thus novelty.

The content of claims 2 - 4, 6, 7, 10 - 12, 14 and 15 is also previously known from any of D1 - D3 and D6. These claims lack thus also novelty.

The content of the remaining claims is obvious to a person skilled in the art, see also D4 and D5. These claims lack thus inventive step.

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 110032101UDO	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/SE00/01504	International filing date (day/month/year) 20.07.2000	Priority date (day/month/year) 20.07.1999
International Patent Classification (IPC) or national classification and IPC <sub>7</sub> H 04 M 11/00		
Applicant Mossberg, Patrik et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  19.02.2001	Date of completion of this report  31.10.2001
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer  Bertil Nordenberg/MN Telephone No. 08-782 25 00



# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE00/01504

## I. Basis of the report

### 1. With regard to the **elements** of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
 pages 1-11, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, as amended (together with any statement) under article 19  
 pages \_\_\_\_\_, filed with the demand  
 pages 12-14, filed with the letter of 10.08.2001
- ☒ the drawings:  
 pages 1-10, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

### 2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

### 3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheet/fig \_\_\_\_\_

### 5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE00/01504

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement.

Novelty (N)	Claims	<u>1-22</u>	YES
	Claims	_____	NO
Inventive step (IS)	Claims	<u>1-22</u>	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	<u>1-22</u>	YES
	Claims	_____	NO

### 2. Citations and explanations (Rule 70.7)

#### Documents cited in the International Search Report:

D1 Abstract of JP 11-120398 A  
D2 EP 0873032 A1  
D3 WO 9613814 A1  
D4 WO 9401963 A1  
D5 WO 9847116 A1  
D6 WO 0035178 A2 (with priority from SE 9804055-3,  
26 November 1998, but published 15 June 2000)

D1 discloses a system for identifying a person in order to provide the person access to a building through a gate. A person who desires to enter the building inputs the telephone number of a center device to a portable telephone set. When the connecting facilities connects a radio telephone line to the telephone set in response to the incoming of a request to open the gate, the telephone number of the caller is sent to the center device by the telephone number information service of the telephone company. The reported caller's telephone number is collated with the permission data, i.e., registered telephone numbers in a memory. Here, when the caller's telephone number coincides with one of the registered telephone numbers, a gate opening signal is sent through the authentication that the caller is a permitted person. Then the entrance of the building is unlocked and the caller can enter the building. D6 shows a similar system, also being associated with a vending machine.

D2 (see abstract and figure 2) discloses a similar system for identifying a user in order to provide the user access to a mobile telephone system. Increased security for the mobile telephone system is provided by assigning each mobile telephone unit or authorised user thereof a caller

.../...

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE00/01504

## Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V

authentication number (CAN) different than the caller line identification (CLI) that is normally assigned to all mobile telephone units. A verification unit added to the conventional mobile telephone system determines whether the combination of the CLI and the CAN identify an authorised user of the system and completes connection of the switching office to the telephone exchange if the CAN and CLI identify an authorised user.

D3 shows a real time mobile tele-payment system that relates to payments of bills of mobile users. Caller line identification (CLI) is used for identification of the user.

D4 and D5 show other examples of systems for identification, giving access to a facility or for payment transactions.

None of the arrangements according to the cited documents includes thus an additional identification unit communicating over a channel separated from the mobile communication means communication channel, wherein access to the requested service is established if the CLI-number is cleared for access by the clearing unit and the juridical person identified by the additional identification unit. A higher grade of security to the identification process is thus provided in the method and the system according to the present invention, as stated in the new claims 1 - 22 (10-08-2001).

None of the citations, or any relevant combination thereof, thus anticipates the present invention. The invention is thus considered to be novel, involve an inventive step and comprise industrial applicability.

## Claims

1. A method for identifying a juridical person (80) in order to provide said juridical person access to a provided service, comprising the retrieval of a CLI-number provided to a mobile communication means allocated to said juridical person (80), the CLI-number being a part of the phone communication protocol and being retrieved at a service unit telephone device (82) or a clearing unit (88) telephone device, respectively, during a phone call connection trial (84), said units (82, 88) being adapted not to establish the communication, whereby the call (84) is refused at the service unit (82) or the clearing unit (88), respectively, if the service unit (82) refuses the call it communicates to the clearing unit (88) which always decides if a received CLI-number has access to the service provided, **characterized** in that an additional identification of the juridical person is accomplished through input of additional data to the service unit (82) via an additional identification unit (100) communicating over a channel (104) separated from said mobile communication means communication channel (106), wherein access to the requested service is established if the CLI-number is cleared for access by the clearing unit (88) and the juridical person is identified (104) by the additional identification unit (100).

2. A method according to claim 1, **characterized** in that the service is a payment transaction.

3. A method according to claim 1, **characterized** in that the service is a facility access transaction.

4. A method according to claim 1-3, **characterized** in that a service category called for is dependent on the telephone number dialed.

5. A method according to claims 3, **characterized** in that the facility access does not have any physically accessible locking means from outside the facility for entering the facility.

6. A method according to claims 1-5, **characterized** in that the clearing unit (88) checks if the received CLI-number is stored in a connected computer database (90) and if so, looking for (92) information corresponding to said CLI-number, and If the CLI-number is stored in the computer database and if the related information qualifies the user (80) of that CLI-number to have access to the said service, the clearing (88) unit sends an access confirmation (94) to the service unit (82).

7. A method according to claims 1-6, **characterized** in that the user is notified to his mobile communication means of a service.

8. A method according to claims 1-7, **characterized** in that the additionally input data is a PIN-code.

9. A method according to claims 1-8, **characterized** in that the identification unit (100) comprises means for biometric or electronic identification.

5 10. A method according to claims 1-9, **characterized** in that the identification unit (100) comprises means for fingerprint recognition or PIN-code recognition.

11. A method according to claim 7, **characterized** in that a notification is transmitted via an SMS message or the like from the service unit or the clearing unit, which thus comprise a GSM means or the like for transmission of the SMS.

10 12. A system for identifying a juridical person (80) in order to provide said juridical person access to a provided service, comprising a mobile communication means with a CLI-number, the means being allocated to said person (80), and said CLI-number being part of the phone communication protocol; a service unit device (82) and a clearing unit device (88), being connected to a computer database (90), which decides if the received CLI-number  
15 has access to the service provided, whereby at least one of them comprises a unit telephone device to be called by said person (80) with said mobile communication means; retrieval means at the service unit (82) or the clearing unit (88) for the CLI-number during a phone call connection trial, being adapted not to establish the communication, whereby a call is refused at the unit telephone device, the system being **characterized** in that:

20 a keyboard or keypad is comprised in the service unit (82), for entering additional data to the service unit (82), via an additional identification unit (100) communicating over a channel (104) separated from said mobile communication means communication channel (106); and

25 wherein said service unit (82) provides access to the service if the CLI-number is cleared for access by the clearing unit (88) and the juridical person (80) is identified (104) by the additional identification unit (100).

13. A system according to claim 12, **characterized** in that the service is a payment transaction.

30 14. A system according to claim 12, **characterized** in that the service is a facility access transaction.

15. A system according to claim 12-14, **characterized** in that a service category called for is dependent on the telephone number dialed.

16. A system according to claim 14, **characterized** in that the facility access does not have any physically accessible locking means from outside the facility for entering the facility.

17. A system according to claims 12-16, **characterized** in that the clearing unit (88) checks if the received CLI-number is stored in said connected computer database (90) and if so, looking for (92) information corresponding to said CLI-number, and If the CLI-number is stored in the computer database and if the related information qualifies the user (80) of that CLI-number to have access to the said service, the clearing (88) unit sends an access confirmation (94) to the service unit (82).

18. A system according to claims 12-17, **characterized** in that the user is notified to his mobile communication means of a service.

19. A system according to claim 18, **characterized** in that a notification is transmitted via an SMS message or the like from the service unit or the clearing unit, which thus comprise a GSM means or the like for transmission of the SMS.

20. A system according to claims 12-19, **characterized** in that the additionally input data is a PIN-code.

21. A system according to claims 12-20, **characterized** in that the identification unit (100) comprises means for biometric or electronic identification.

22. A system according to claims 12-21, **characterized** in that the identification unit (100) comprises means for fingerprint recognition or PIN-code recognition.

-----

## Claims

1. A method for identifying a juridical person (80) in order to provide said juridical person access to a provided service, **characterized** in that it comprises the retrieval of the CLI-number provided to a telephone device allocated to said juridical person (80), the CLI-number being a part of the phone communication protocol and being retrieved at a service unit telephone device (82) or a clearing unit (88) telephone device, respectively, during a phone call connection trial (84), said units (82, 88) being adapted not to establish the communication, whereby the call (84) is refused at the service unit (82) or the clearing unit (88), respectively, if the service unit (82) refuses the call it communicates to the clearing unit (88) which always decides if a received CLI-number has access to the service provided, thus providing the service if access is established.

2. A method according to claim 1, **characterized** in that the service is a payment transaction.

3. A method according to claim 1, **characterized** in that the service is a facility access transaction.

4. A method according to claim 1-3, **characterized** in that a service category called for is dependent on the telephone number dialed.

5. A method according to claims 3, **characterized** in that the facility access does not have any physically accessible locking means from outside the facility for entering the facility.

6. A method according to claims 1-5, **characterized** in that the clearing unit (88) checks if the received CLI-number is stored in a connected computer database (90) and if so, looking for (92) information corresponding to said CLI-number, and If the CLI-number is stored in the computer database and if the related information qualifies the user (80) of that CLI-number to have access to the said service, the clearing (88) unit sends an access confirmation (94) to the service unit (82).

7. A method according to claims 1-6, **characterized** in that the user is notified to his telephone device of a service.

8. A method according to claim 7, **characterized** in that a notification is transmitted via an SMS message or the like from the service unit or the clearing unit, which thus comprise a GSM means or the like for transmission of the SMS.

9. A system for identifying a juridical person (80) in order to provide said juridical person access to a provided service, **characterized** in that it comprises:

a telephone device with a CLI-number, the device being allocated to said person (80), and said CLI-number being part of the phone communication protocol;

a service unit device (82) and a clearing unit device (88), being connected to a computer database (90), which decides if the received CLI-number has access to the service provided, whereby at least one of them comprises a unit telephone device to be called by said person (80) with said telephone;

retrieval means at the service unit (82) or the clearing unit (88) for the CLI-number during a phone call connection trial, being adapted not to establish the communication, whereby a call is refused at the unit telephone device; and

said service unit (82) providing the service if access is granted.

10. A system according to claim 9, **characterized** in that the service is a payment transaction.

11. A system according to claim 9, **characterized** in that the service is a facility access transaction.

12. A system according to claim 9-11, **characterized** in that a service category called for is dependent on the telephone number dialed.

13. A system according to claim 11, **characterized** in that the facility access does not have any physically accessible locking means from outside the facility for entering the facility.

14. A system according to claims 9-13, **characterized** in that the clearing unit (88) checks if the received CLI-number is stored in said connected computer database (90) and if so, looking for (92) information corresponding to said CLI-number, and If the CLI-number is stored in the computer database and if the related information qualifies the user (80) of that CLI-number to have access to the said service, the clearing (88) unit sends an access confirmation (94) to the service unit (82).

15. A system according to claims 9-14, **characterized** in that the user is notified to his telephone device of a service.

16. A system according to claim 15, **characterized** in that a notification is transmitted via an SMS message or the like from the service unit or the clearing unit, which thus comprise a GSM means or the like for transmission of the SMS.

-----



### Claims

1. A method for identifying a juridical person (80) in order to provide said juridical person access to a provided service, comprising the retrieval of a CLI-number provided to a **mobile communication means** allocated to said juridical person (80), the CLI-number being a part of the phone communication protocol and being retrieved at a service unit telephone device (82) or a clearing unit (88) telephone device, respectively, during a phone call connection trial (84), said units (82, 88) being adapted not to establish the communication, whereby the call (84) is refused at the service unit (82) or the clearing unit (88), respectively, if the service unit (82) refuses the call it communicates to the clearing unit (88) which always decides if a received CLI-number has access to the service provided, **characterized in that an additional identification of the juridical person is accomplished through input of additional data to the service unit (82) via an additional identification unit (100) communicating over a channel (104) separated from said mobile communication means communication channel (106), wherein access to the requested service is established if the CLI-number is cleared for access by the clearing unit (88) and the juridical person is identified (104) by the additional identification unit (100).**

2. A method according to claim 1, **characterized** in that the service is a payment transaction.

3. A method according to claim 1, **characterized** in that the service is a facility access transaction.

4. A method according to claim 1-3, **characterized** in that a service category called for is dependent on the telephone number dialed.

5. A method according to claims 3, **characterized** in that the facility access does not have any physically accessible locking means from outside the facility for entering the facility.

6. A method according to claims 1-5, **characterized** in that the clearing unit (88) checks if the received CLI-number is stored in a connected computer database (90) and if so, looking for (92) information corresponding to said CLI-number, and If the CLI-number is stored in the computer database and if the related information qualifies the user (80) of that CLI-number to have access to the said service, the clearing (88) unit sends an access confirmation (94) to the service unit (82).

7. A method according to claims 1-6, **characterized** in that the user is notified to his **mobile communication means** of a service.

8. A method according to claims 1-7, **characterized** in that the additionally input data is a PIN-code.

9. A method according to claims 1-8, **characterized** in that the identification unit (100) comprises means for biometric or electronic identification.

5 10. A method according to claims 1-9, **characterized** in that the identification unit (100) comprises means for fingerprint recognition or PIN-code recognition.

11. A method according to claim 7, **characterized** in that a notification is transmitted via an SMS message or the like from the service unit or the clearing unit, which thus comprise a GSM means or the like for transmission of the SMS.

10 12. A system for identifying a juridical person (80) in order to provide said juridical person access to a provided service, comprising a **mobile communication means** with a CLI-number, the **means** being allocated to said person (80), and said CLI-number being part of the phone communication protocol; a service unit device (82) and a clearing unit device (88), being connected to a computer database (90), which decides if the received CLI-  
15 number has access to the service provided, whereby at least one of them comprises a unit telephone device to be called by said person (80) with said **mobile communication means**; retrieval means at the service unit (82) or the clearing unit (88) for the CLI-number during a phone call connection trial, being adapted not to establish the communication, whereby a call is refused at the unit telephone device, the system being **characterized** in that:

20 **a keyboard or keypad is comprised in the service unit (82), for entering additional data to the service unit (82), via an additional identification unit (100) communicating over a channel (104) separated from said mobile communication means communication channel (106); and**

25 **wherein said service unit (82) provides access to the service if the CLI-number is cleared for access by the clearing unit (88) and the juridical person (80) is identified (104) by the additional identification unit (100).**

13. A system according to claim 12, **characterized** in that the service is a payment transaction.

30 14. A system according to claim 12, **characterized** in that the service is a facility access transaction.

15. A system according to claim 12-14, **characterized** in that a service category called for is dependent on the telephone number dialed.

16. A system according to claim 14, **characterized** in that the facility access does not have any physically accessible locking means from outside the facility for entering the facility.

17. A system according to claims 12-16, **characterized** in that the clearing unit (88) checks if the received CLI-number is stored in said connected computer database (90) and if so, looking for (92) information corresponding to said CLI-number, and If the CLI-number is stored in the computer database and if the related information qualifies the user (80) of that CLI-number to have access to the said service, the clearing (88) unit sends an access confirmation (94) to the service unit (82).

18. A system according to claims 12-17, **characterized** in that the user is notified to his **mobile communication means** of a service.

19. A system according to claim 18, **characterized** in that a notification is transmitted via an SMS message or the like from the service unit or the clearing unit, which thus comprise a GSM means or the like for transmission of the SMS.

20. A system according to claims 12-19, **characterized** in that the additionally input data is a PIN-code.

21. A system according to claims 12-20, **characterized** in that the identification unit (100) comprises means for biometric or electronic identification.

22. A system according to claims 12-21, **characterized** in that the identification unit (100) comprises means for fingerprint recognition or PIN-code recognition.

-----

# PCT

## REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference

(if desired) (12 characters maximum)

110032101UDO

### Box No. I TITLE OF INVENTION

A method and a system

### Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no state of residence is indicated below.)

MOSSBERG Patrik  
Rörstrandsgatan 22  
SE-113 40 STOCKHOLM  
SWEDEN



This person is also inventor.

Telephone No.

Facsimile No.

Teleprinter No.

State (that is, country) of nationality:

SWEDEN

State (that is, country) of residence:

SWEDEN

This person is applicant for the purposes of:



all designated States



all designated States except the United States of America



the United States of America only



the States indicated in the Supplemental Box

### Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no state of residence is indicated below.)

ANKARCRONA Fredrik  
GrevTuregatan 8A, 4tr.  
SE-114 46 STOCKHOLM  
SWEDEN

This person is:



applicant only



applicant and inventor



inventor only (If this check-box is marked, do not fill in below.)

State (that is, country) of nationality:

SWEDEN

State (that is, country) of residence:

SWEDEN

This person is applicant for the purposes of:



all designated States



all designated States except the United States of America



the United States of America only



the States indicated in the Supplemental Box



Further applicants and/or (further) inventors are indicated on a continuation sheet.

### Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:



agent



common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

HINZ, Udo  
AB STOCKHOLMS PATENTBYRÅ, Zacco & Bruhn  
Box 23101, SE-104 35 STOCKHOLM, Sweden

Telephone No.

+46 8 729 95 00

Facsimile No.

+46 8 31 83 15

Teleprinter No.



Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Form PCT/RO/101 (first sheet)

See Notes to the request form

## Continuation of Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTORS

*If none of the following sub-boxes is used, this sheet is not to be included in the request.*

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no state of residence is indicated below.)

VAN DER WIJNGAART Wouter  
Forskarbacken 17-404  
SE-104 05 STOCKHOLM

This person is:

- ☐ applicant only
- ☒ applicant and inventor
- ☐ inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

Sweden

State (i.e. country) of residence:

Sweden

This person is applicant for the purposes of:

- ☒ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no state of residence is indicated below.)

This person is:

- ☐ applicant only
- ☐ applicant and inventor
- ☐ inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

State (i.e. country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no state of residence is indicated below.)

This person is:

- ☐ applicant only
- ☐ applicant and inventor
- ☐ inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

State (i.e. country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no state of residence is indicated below.)

This person is:

- ☐ applicant only
- ☐ applicant and inventor
- ☐ inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

State (i.e. country) of residence:

This person is applicant for the purposes of:

- ☐ all designated States ☐ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box

☐ Further applicants and/or (further) inventors are indicated on another continuation sheet.

**Box No.V DESIGNATION OF STATES**

The following designations are hereby made under Rule 4.9(a) (mark the applicable check-boxes; at least one must be marked):

**Regional Patent**

- ☒ **AP** ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ **EA** Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ **EP** European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ **OA** OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the FCT (if other kind of protection or treatment desired, specify on dotted line)

**National Patent (if other kind of protection or treatment desired, specify on dotted line):**

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> <b>AE</b> United Arab Emirates                  | <input checked="" type="checkbox"/> <b>LS</b> Lesotho                                   |
| <input checked="" type="checkbox"/> <b>AG</b> Antigua and Barbuda                   | <input checked="" type="checkbox"/> <b>LT</b> Lithuania                                 |
| <input checked="" type="checkbox"/> <b>AL</b> Albania                               | <input checked="" type="checkbox"/> <b>LU</b> Luxembourg                                |
| <input checked="" type="checkbox"/> <b>AM</b> Armenia                               | <input checked="" type="checkbox"/> <b>LV</b> Latvia                                    |
| <input checked="" type="checkbox"/> <b>AT</b> Austria                               | <input checked="" type="checkbox"/> <b>MA</b> Morocco                                   |
| <input checked="" type="checkbox"/> <b>AU</b> Australia                             | <input checked="" type="checkbox"/> <b>MD</b> Republic of Moldova                       |
| <input checked="" type="checkbox"/> <b>AZ</b> Azerbaijan                            | <input checked="" type="checkbox"/> <b>MG</b> Madagascar                                |
| <input checked="" type="checkbox"/> <b>BA</b> Bosnia and Herzegovina                | <input checked="" type="checkbox"/> <b>MK</b> The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> <b>BB</b> Barbados                              | <input checked="" type="checkbox"/> <b>MN</b> Mongolia                                  |
| <input checked="" type="checkbox"/> <b>BG</b> Bulgaria                              | <input checked="" type="checkbox"/> <b>MW</b> Malawi                                    |
| <input checked="" type="checkbox"/> <b>BR</b> Brazil                                | <input checked="" type="checkbox"/> <b>MX</b> Mexico                                    |
| <input checked="" type="checkbox"/> <b>BY</b> Belarus                               | <input checked="" type="checkbox"/> <b>MZ</b> Mozambique                                |
| <input checked="" type="checkbox"/> <b>CA</b> Canada                                | <input checked="" type="checkbox"/> <b>NO</b> Norway                                    |
| <input checked="" type="checkbox"/> <b>CH and LI</b> Switzerland and Liechtenstein  | <input checked="" type="checkbox"/> <b>NZ</b> New Zealand                               |
| <input checked="" type="checkbox"/> <b>CN</b> China                                 | <input checked="" type="checkbox"/> <b>PL</b> Poland                                    |
| <input checked="" type="checkbox"/> <b>CR</b> Costa Rica                            | <input checked="" type="checkbox"/> <b>PT</b> Portugal                                  |
| <input checked="" type="checkbox"/> <b>CU</b> Cuba                                  | <input checked="" type="checkbox"/> <b>RO</b> Romania                                   |
| <input checked="" type="checkbox"/> <b>CZ</b> Czech Republic                        | <input checked="" type="checkbox"/> <b>RU</b> Russian Federation                        |
| <input checked="" type="checkbox"/> <b>DE</b> Germany                               | <input checked="" type="checkbox"/> <b>SD</b> Sudan                                     |
| <input checked="" type="checkbox"/> <b>DK</b> Denmark                               | <input checked="" type="checkbox"/> <b>SE</b> Sweden                                    |
| <input checked="" type="checkbox"/> <b>DM</b> Dominica                              | <input checked="" type="checkbox"/> <b>SG</b> Singapore                                 |
| <input checked="" type="checkbox"/> <b>DZ</b> Algeria                               | <input checked="" type="checkbox"/> <b>SI</b> Slovenia                                  |
| <input checked="" type="checkbox"/> <b>EE</b> Estonia                               | <input checked="" type="checkbox"/> <b>SK</b> Slovakia                                  |
| <input checked="" type="checkbox"/> <b>ES</b> Spain                                 | <input checked="" type="checkbox"/> <b>SL</b> Sierra Leone                              |
| <input checked="" type="checkbox"/> <b>FI</b> Finland                               | <input checked="" type="checkbox"/> <b>TJ</b> Tajikistan                                |
| <input checked="" type="checkbox"/> <b>GB</b> United Kingdom                        | <input checked="" type="checkbox"/> <b>TM</b> Turkmenistan                              |
| <input checked="" type="checkbox"/> <b>GD</b> Grenada                               | <input checked="" type="checkbox"/> <b>TR</b> Turkey                                    |
| <input checked="" type="checkbox"/> <b>GE</b> Georgia                               | <input checked="" type="checkbox"/> <b>TT</b> Trinidad and Tobago                       |
| <input checked="" type="checkbox"/> <b>GH</b> Ghana                                 | <input checked="" type="checkbox"/> <b>TZ</b> Tanzania                                  |
| <input checked="" type="checkbox"/> <b>GM</b> Gambia                                | <input checked="" type="checkbox"/> <b>UA</b> Ukraine                                   |
| <input checked="" type="checkbox"/> <b>HR</b> Croatia                               | <input checked="" type="checkbox"/> <b>UG</b> Uganda                                    |
| <input checked="" type="checkbox"/> <b>HU</b> Hungary                               | <input checked="" type="checkbox"/> <b>US</b> United States of America                  |
| <input checked="" type="checkbox"/> <b>ID</b> Indonesia                             | <input checked="" type="checkbox"/> <b>UZ</b> Uzbekistan                                |
| <input checked="" type="checkbox"/> <b>IL</b> Israel                                | <input checked="" type="checkbox"/> <b>VN</b> Viet Nam                                  |
| <input checked="" type="checkbox"/> <b>IN</b> India                                 | <input checked="" type="checkbox"/> <b>YU</b> Yugoslavia                                |
| <input checked="" type="checkbox"/> <b>IS</b> Iceland                               | <input checked="" type="checkbox"/> <b>ZA</b> South Africa                              |
| <input checked="" type="checkbox"/> <b>JP</b> Japan                                 | <input checked="" type="checkbox"/> <b>ZW</b> Zimbabwe                                  |
| <input checked="" type="checkbox"/> <b>KE</b> Kenya                                 |   |
| <input checked="" type="checkbox"/> <b>KG</b> Kyrgyzstan                            |   |
| <input checked="" type="checkbox"/> <b>KP</b> Democratic People's Republic of Korea |   |
| <input checked="" type="checkbox"/> <b>KR</b> Republic of Korea                     |   |
| <input checked="" type="checkbox"/> <b>KZ</b> Kazakhstan                            |   |
| <input checked="" type="checkbox"/> <b>LC</b> Saint Lucia                           |   |
| <input checked="" type="checkbox"/> <b>LK</b> Sri Lanka                             |   |
| <input checked="" type="checkbox"/> <b>LR</b> Liberia                               |   |

Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after Issuance of this sheet:

- ☒ **BZ** Belize
- ☐
- ☐
- ☐

**Precautionary Designation Statement:** In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Box No. VI PRIORITY CLAIM		<input type="checkbox"/> Further priority claims indicated in the Supplemental Box.		
Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country	regional application: * regional Office	international application: receiving Office
item (1) 20/07/1999 20 July 1999	9902768-2	Sweden		
item (2) 17/03/2000 17 March 2000	0000912-6	Sweden		
item (3)				

☒ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s): (1) and (2)

\* Where the earlier application is an ARIPO application, it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

## Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA)  
(if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA /SE

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year) Number Country (or regional Office)

## Box No. VIII CHECK LIST; LANGUAGE OF FILING

This international application contains the following number of sheets:

request : 5  
description (excluding sequence listing part) : 11  
claims : 2  
abstract : 1  
drawings : 10  
sequence listing part of description :

Total number of sheets: 29

This international application is accompanied by the item(s) marked below:

1. ☒ fee calculation sheet
2. ☐ separate signed power of attorney
3. ☐ copy of general power of attorney; reference number, if any:
4. ☐ statement explaining lack of signature
5. ☐ priority document(s) identified in Box No VI as item(s):
6. ☐ translation of international application into (language):
7. ☐ separate indications concerning deposited microorganism or other biological material
8. ☐ nucleotide and/or amino acid sequence listing in computer readable form
9. ☒ other (specify): List of representatives

Figure of the drawings which should accompany the abstract: Fig. 5

Language of filing of the international application: English

## Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

Stockholm, 20 July 2000

Joakim Grip  
Representative of the applicant

For receiving Office use only		2. Drawings:
1. Date of actual receipt of the purported international application:		<input type="checkbox"/> received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:		<input type="checkbox"/> not received:
4. Date of timely receipt of the required corrections under PCT Article 11(2):		
5. International Searching Authority (if two or more are competent): ISA /	<input type="checkbox"/>	6. Transmittal of search copy delayed until search fee is paid

Date of receipt of the record copy by the International Bureau:

For International Bureau use only

**Supplemental box***If the Supplemental Box is not used, this sheet should not be included in the request.*

1. *If, in any of the Boxes, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No. ..." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular.*
  - (i) *If more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is country) of residence if no State of residence is indicated below:*
  - (ii) *If, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant:*
  - (iii) *If, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor:*
  - (iv) *If, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;*
  - (v) *If, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent addition" or "certificate of addition" or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application:*
  - (vi) *If, in Box No. VI, there are more than three earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicated for each additional earlier application the same type of information as required in Box No. VI:*
  - (vii) *If, in Box No. VI, the earlier application is an ARIPO application: in such case, write "Continuation of Box No. VI", specify the number of the item corresponding to that earlier application and indicate at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed.*
2. *If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.*
3. *If the applicant claims, in respect of any designated Office, the benefits of provisions of the national law concerning non-prejudicial disclosures of exceptions to lack of novelty: in such case, write "Statement concerning non-prejudicial disclosures or exceptions to lack of novelty" and furnish that statement below.*

**CONTINUATION OF BOX IV:**

Further representatives:

Agvald-Glaß, Gunilla  
 Bernhult, Lennart  
 Forssén, Catarina  
 Grahn, Cecilia  
 Granström, Lars-Eric  
 Grip, Joakim  
 Hansson, Hans-Erik  
 Hansson, Sven A.  
 Hinz, Udo  
 Karlsson, Per Tomas  
 Lennefors, Stefan  
 Lundström, Maria  
 Nilsson, Brita  
 Nordén, J. Åke  
 Önn, Thorsten  
 Rilton, Kristina  
 Westerlund, Örjan  
 Åström, Elsa



**PCT****FEE CALCULATION SHEET**

Annex to the Request

For receiving Office use only

Applicant's or agent's file reference <b>110032101UDO</b>	International application No.  Date stamp of the receiving Office
Applicant <b>MOSSBERG, Patrik et al</b>	
<b>CALCULATION OF PRESCRIBED FEES</b>	
1. TRANSMITTAL FEE ..... <span style="float: right;">1000 <span style="border: 1px solid black; padding: 0 5px;">T</span></span>	
2. SEARCH FEE ..... <span style="float: right;">8510 <span style="border: 1px solid black; padding: 0 5px;">S</span></span>	
International search to be carried out by <u>SE</u> <i>(If two or more International Searching Authorities are competent in relation to the international application, indicate the name of the Authority which is chosen to carry out the international search.)</i>	
3. INTERNATIONAL FEE	
<b>Basic Fee</b> The international application contains <u>29</u> sheets. first 30 sheets ..... <span style="float: right;">3540 <span style="border: 1px solid black; padding: 0 5px;">b<sub>1</sub></span></span>  <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: right;">.....</div> <div style="margin: 0 10px;">x</div> <div style="text-align: center;">80</div> <div style="margin: 0 10px;">=</div> <div style="border: 1px solid black; padding: 0 10px;">.....</div> <div style="border: 1px solid black; padding: 0 5px;">b<sub>2</sub></div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>remaining sheets</span> <span>additional amount</span> </div> Add amounts entered at b <sub>1</sub> and b <sub>2</sub> and enter total at B ..... <span style="float: right;">3540 <span style="border: 1px solid black; padding: 0 5px;">B</span></span>	
<b>Designation Fees</b> The international application contains <u>ALL</u> designations  <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: right;">8</div> <div style="margin: 0 10px;">x</div> <div style="text-align: center;">760</div> <div style="margin: 0 10px;">=</div> <div style="border: 1px solid black; padding: 0 10px;">6080</div> <div style="border: 1px solid black; padding: 0 5px;">D</div> </div> <div style="display: flex; justify-content: space-between; width: 100%;"> <span>number of designation fees payable (maximum 8)</span> <span>amount of designation fee</span> </div> Add amounts entered at B and D and enter total at I ..... <span style="float: right;">9620 <span style="border: 1px solid black; padding: 0 5px;">I</span></span> <i>(Applicants from certain States are entitled to a reduction of 75% of the international fee. Where the applicant is (or all applicants are) so entitled, the total to be entered at I is 25% of the sum of the amounts entered at B and D.)</i>	
4. FEE FOR PRIORITY DOCUMENT (if applicable) ..... <span style="float: right;"><span style="border: 1px solid black; padding: 0 5px;">P</span></span>	
5. TOTAL FEES PAYABLE	
Add amounts entered at T, S, I and P, and enter total in the TOTAL box ..... <span style="float: right;">19130</span> <div style="text-align: right; border: 1px solid black; padding: 2px; width: 150px; margin-left: auto;"><b>TOTAL</b></div>	
<input type="checkbox"/> The designation fee is not paid at this time.	
<b>MODE OF PAYMENT</b>	
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> authorization to charge deposit account (see below)</div> <div style="width: 33%;"><input type="checkbox"/> bank draft</div> <div style="width: 33%;"><input type="checkbox"/> coupons</div> <div style="width: 33%;"><input checked="" type="checkbox"/> cheque</div> <div style="width: 33%;"><input type="checkbox"/> cash</div> <div style="width: 33%;"><input type="checkbox"/> other (specify):</div> <div style="width: 33%;"><input type="checkbox"/> postal money order</div> <div style="width: 33%;"><input type="checkbox"/> revenue stamps</div> </div>	
<b>DEPOSIT ACCOUNT AUTHORIZATION</b> <i>(this mode of payment may not be available at all receiving Offices)</i> The RO/ SE ..... <input type="checkbox"/> is hereby authorized to charge the total fees indicated above to my deposit account.  <input type="checkbox"/> is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account.  <input type="checkbox"/> is hereby authorized to charge the fee for preparation and transmittal of the priority document to the International Bureau of WIPO to my deposit account.	
Deposit Account No. ....	Date (day/month/year) <b>20 July 2000</b>
Signature .....	

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
25 January 2001 (25.01.2001)

PCT

(10) International Publication Number  
**WO 01/06747 A1**

(51) International Patent Classification<sup>7</sup>: H04M 11/00

(21) International Application Number: PCT/SE00/01504

(22) International Filing Date: 20 July 2000 (20.07.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
9902768-2 20 July 1999 (20.07.1999) SE  
0000912-6 17 March 2000 (17.03.2000) SE

(71) Applicants and

(72) Inventors: MOSSBERG, Patrick [SE/SE]; Rörstrands-  
gatan 22, S-113 40 Stockholm (SE). ANKARCRONA,  
Fredrik [SE/SE]; GrevTuregatan 8A, 4tr., S-114 46 Stock-  
holm (SE). VAN DER WIJNGAART, Wouter [SE/SE];  
Forskarbacken 17-404, S-104 05 Stockholm (SE).

(74) Agents: HINZ, Udo et al.; AB Stockholms Patentbyrå,  
Zacco & Bruhn, Box 23101, S-104 35 Stockholm (SE).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,  
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,  
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,  
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

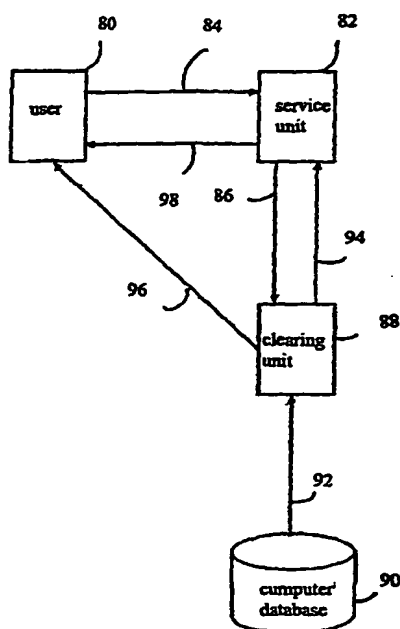
(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian  
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European  
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,  
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- With international search report.
- Before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments.

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND SYSTEM FOR IDENTIFYING A JURIDICAL PERSON



(57) Abstract: The invention relates to a method and a system for iden-  
tifying a juridical person (80) in order to provide the juridical person (80)  
access to a provided service. It comprises the retrieval of the CLI-num-  
ber provided to a telephone device allocated to the juridical person. The  
CLI-number being part of the phone communication protocol and being  
retrieved at a service unit telephone device (82) or a clearing unit tele-  
phone device (88), respectively, during a phone call connection trial with-  
out establishing the communication. This is accomplished through recog-  
nition of the CLI-number, whereby the call is inhibited from being an-  
nounced at the service unit (82) or the clearing unit (88). The service unit  
(82) communicates the call to a clearing unit (88), which always decides if  
the received CLI-number has access to the service provided. Hence, mak-  
ing it possible to provide the service if access is established. The method  
and the system of the invention are used to provide payment transactions,  
inlet access transactions for facilities etc.

WO 01/06747 A1

PCT Appl. No: SE00/01504

Fristdatum 2001-08-10

Till

Patent- och registreringsverket

STOCKHOLM

## **INTERNATIONELLA SEKTIONEN**

**Internationell patentansökan nr: SE00/01504**

**Sökande: Patrik Mossberg et al**

Due to the written opinion from the Patent Office, dated the 31 mars 2000 and concerning the patent application in caption, a new set of claims in 2 copies is hereby submitted. They are intended to replace the earlier submitted claims. A set of claims with the amendments highlighted is also submitted for an easier comparison with the earlier claims.

The independent claims 1 and 12 (former claim 9) have been further restricted with respect to prior art through the cited documents (D1) – (D6):

D1: Abstract of JP 11-120398 A

D2: EP0873032 A1

D3: WO9613814A1

D4: WO9401963A1

D5: WO9847116A1

D6: WO0035178A2.

In claims 1, 7, 12 and 18 "telephone device" has been changed to "mobile communication means", which is supported in the description on page 5, lines 13-17.

In claim 1, the paragraph "...that an additional identification of the juridical person is accomplished through input of additional data to the service unit (82) via an additional identification unit (100) communicating over a channel (104) separated from said mobile communication means communication channel (106), wherein access to the requested service is established if the CLI-number is cleared for access by the clearing unit (88) and

the juridical person is identified (104) by the additional identification unit (100)", has been inserted.

In the independent claim 12 (former 9), the paragraph "...the system being **characterized** in that:

a keyboard or keypad is comprised in the service unit (82), for entering additional data to the service unit (82), via an additional identification unit (100) communicating over a channel (104) separated from said mobile communication means communication channel (106); and

wherein said service unit (82) provides access to the service if the CLI-number is cleared for access by the clearing unit (88) and the juridical person (80) is identified (104) by the additional identification unit (100)", has been inserted.

The amendments in both independent claims are supported in the description on page 8, lines 13-14, 18-20 and on page 9, lines 27-29 and in Fig. 8-10. New dependent claims 8-10, 20-22 have furthermore been added and are supported in the description on page 8, lines 19-20 and 26-27. The remaining claims have been renumbered.

Obvious errors has also been corrected on page 8, line 13 where "unit 14" is corrected to "unit 88" and on line 29 where "unit 82" is corrected to "unit 100".

The invention refers to a method and a system for identifying a juridical person in order to provide the juridical person access to a provided service e.g. a payment transaction or a facility access transaction, via a retrieval of the CLI-number from a mobile communication means allocated to the juridical person and in use by that person, without establishing a connection.

A problem associated with CLI-number retrieval as a means of identifying and access granting a user of a mobile communication means to secure services such as payment transactions or facility access transactions originates from the possibility that someone else than the actual owner of the communication means, to whom the CLI-number refers, also can utilize the same mobile communication means for such transactions. It is for example easy for an electronic tampering of telephone calls and to filter out the numbers to be used for accessing the transaction sites via CLI-number retrieval and thereafter steal the mobile communication means for that purpose.

A solution to the above-mentioned problem is presented by the present invention via a method and a system for identifying a juridical person as shown through the new independent claims 1 and 12, wherein an additional identification of the juridical person is accomplished through input of additional data to the service unit via an additional identification unit communicating over a channel separated from said mobile communication means communication channel. Access to the requested service is established if both the CLI-number is cleared for access by the clearing unit and if the additional identification unit identifies the juridical person.

The new solution provides an identification process, which is more secure and much harder to manipulate by an outsider since both the two different codes are used for identifying and accessing the user to the services and since the user's CLI-number and personal identification code are separately and independently of one another transmitted via two physically distant channels to the service unit, which either grants or denies an access on basis of both those codes. Since the personal identification code is transmitted directly into the service unit via the identification unit, the possibility of a security break-in should be remote seeing that a thief possibly will find it quite difficult to monitor such a transmission of data, which is accomplished through wire in this case and not through air as with the CLI-number.

The solution according to closest prior art, disclosed through D2, reveals a system for identifying a user of a telephone device for accessing a mobile telephone system wherein the CLI-number and an additional personal caller authentication number (CAN) is used. When the CLI-number is retrieved and verified by a verification unit, a request for the additional code (CAN) is sent to the calling telephone device and the user thereafter transmits the (CAN) to the verification unit in DTMF format via the same telephone device as for transmitting the CLI-number. Since there at least at one point in time has to exist an open connection between the user and verification unit for requesting the (CAN) and since both the CLI-number and (CAN) are transmitted over air from the same telephone device there is of course a greater possibility for an interception of transmitted signals by an unwanted entity since the monitoring of both signals, though transmitted on different frequencies, still can be concentrated simply to and from just one telephone device. The

fact that a connection is opened also implies a greater cost and a greater usage of the telecommunication network's capacity.

The solution according to the invention differs from the closest prior art as mentioned above, in that two physically separate devices are used to transmit two different identification codes independently of one another and through separate channels, providing an improved and higher grade of security to the identification process. The new independent claims 1 and 12 are directed at the embodiment of the invention as displayed in Fig. 8, which explicitly shows the physically separated devices (80, 100) and separated channels (104, 106).

None of the documents D1 and D3-D6 comes any closer to revealing the invention according to the new independent claims 1 and 12 since they nor stand alone or in combination with each other indicate a solution for a secure user identification through two different identification codes via two different channels and physically remote transmitters as shown in the solution according to the claims.

In view of the above-mentioned prior art, the invention according to the new set of claims 1 - 22 is found both new, useful and involving an inventive step as pointed out in the above reasoning.

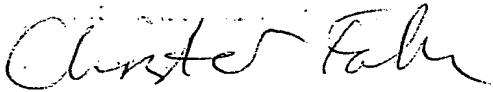
I kindly request a positive preliminary examination report on the basis of the new set of claims in view of the above provided reasoning. If the examiner still is of a different opinion, an interview with the examiner would be appreciated.

Stockholm 2001-08-10

Patrik Mossberg et al

gm

Stockholm Patentbyrå ZACCO AB



Christer Falk

Encl.: New set of claims 1-22 in 2 copies.

Extra set of claims with amendments highlighted.

Handlägges av : Christer Falk

Aktnummer : 110032101

Tel nr. : 08 729 95 00